

Application Serial No. 09/901,120
Amendment dated April 6, 2004
Reply to Office action of October 6, 2003

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 through 83. (Cancelled).

84. (Original) A system for processing a sample comprising a reaction chamber, an ultrasound transducer and a central processing unit.

85. (Original) The system of claim 84 comprising more than one transducer.

86. (Original) The system of claim 84 further comprising one or more sensors.

87. (Original) The system of claim 84 further comprising means for heating or cooling said reaction chamber.

88. (Original) The system of claim 84 further comprising a pump.

89. (Original) The system of claim 84 further comprising a distributor.

90. (Amended) The system of claim 84 wherein said sample is a tissue sample, a membrane, a membrane filter, a tissue sample mounted on a slide, a nucleic acid chip, a microarray of nucleic acid, a microarray of tissue, or an immuno chip.

91. (Original) The system of claim 84 further comprising means for sampling reaction fluid.